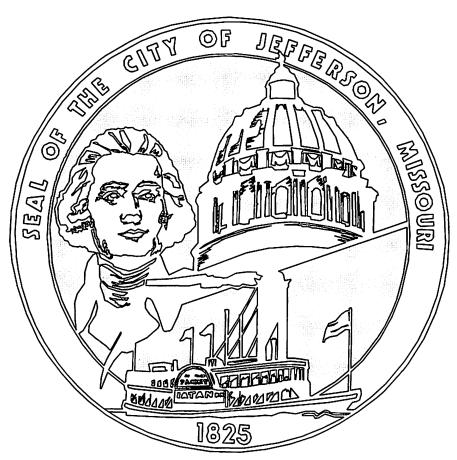


CITY OF JEFFERSON STANDARD DRAWINGS

REVISED: 1/2013 7TH EDITION



FOR FREE DOWNLOAD, GO TO CITY OF JEFFERSON WEB SITE: http://www.jeffcitymo.org/publicworks/engineering.html

City of Public Works

320 E. McCarty Street

Jefferson City, Missouri, 65101

Ph:(573)634-6410

Fax:(573)634-6562

INDEX OF SHEETS

DIVISION I

MISCELLANEOUS

DESCRIPTION:	SECTION NUMBER
MANHOLE LIDS	1.00
STANDARD CITY OF JEFFERSON MANHOLE FRAMES &	& LIDS 1.01
CONCRETE STAIR/STEPS	2.00
CONCRETE STEP DETAILS	2.01
HANDRAIL LAYOUT REQUIREMENTS (NOTES)	2.02
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STREET LIGHTS	4.00
STREET LIGHT TRENCHING DETAILS	4.01



Denotes Modification/Addition for year 2013 City of Jefferson Standards

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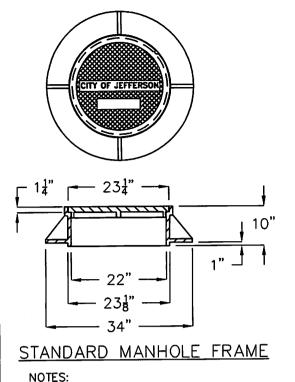
For comments or corrections please E-Mail at: jcengineering@jeffcitymo.org



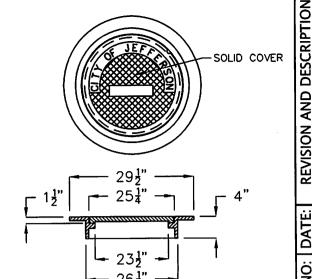
320 E. McCarty Street Jefferson City, Missouri, 65101 Ph:(573)634-6410 Fax:(573)634-6562

CITY OF JEFFERSON STANDARD DRAWINGS **REVISED EDITION: 1/2013**

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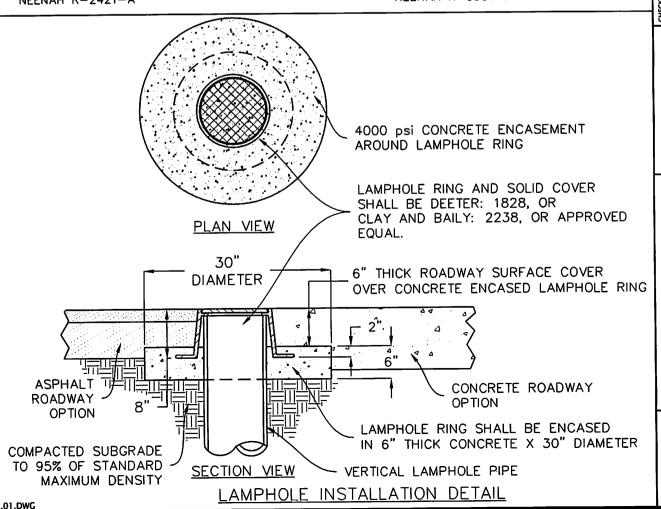


NOTES: STANDARD MANHOLE FRAME AND SOLID LID SHALL BE NEENAH R-1736 (OR EQUAL), WITH "CITY OF JEFFERSON" CASTED ON THE LID. TOTAL WEIGHT: FRAME AND SOLID LID = 460 POUNDS. GRATED LID SHALL BE NEENAH R-2421-A



ALTERNATE MANHOLE FRAME

NOTES:
ALTERNATE MANHOLE FRAME AND SOLID LID SHALL BE
NEENAH R-5900-F (OR EQUAL), WITH "CITY OF JEFFERSON"
CASTED ON THE LID.
TOTAL WEIGHT: FRAME AND SOLID LID = 205 POUNDS.
GRATED LID SHALL BE
NEENAH R-5901-F



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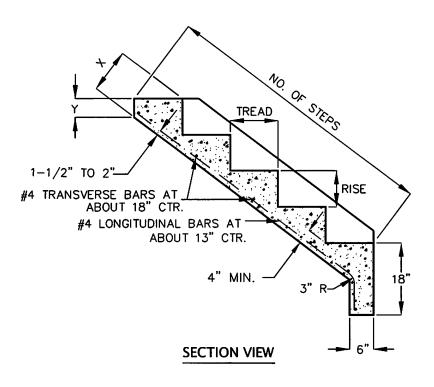
ADDED LAMPHOLE DETAII

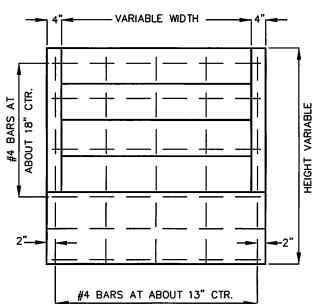
MANHOLE FAME AND LID

CITY OF JEFFERSON

STANDARD DETAILS

1 OF 1 SECTION 1.01





CONCRETE STEPS LOOKING FROM SIDEWALK

NOTES

FOR RESIDENTIAL APPLICATIONS

- Minimum riser shall be 4", and maximum shall be no more than 7 3/4".
- 2. Minimum tread shall be 10 3/4".

FOR COMMERCIAL APPLICATIONS

- 1. Minimum riser shall be 4", and maximum shall be no more than 7".
- 2. Minimum tread shall be 11".
 - Positive drainage shall be achieved on all treads, not to exceed 1/8" per foot.

CHECKED BY:	CONCRETE STEP	NO:	DATE:	NO: DATE: REVISION AND DESCRIPTION
	DETAILS			
DRAWN BY:		Ī		
DATE:	STANDARD DETAILS			



1 OF 4 SECTION 2.01

2.01.DWG

NOTES:

- 1. Handrails are required on both sides of stairs and or ramps.
- 2. The top of the griping surfaces of handrails shall be no less than 34" and no more than 38" vertically above the walking surface, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above the walking surface or stair nosings.
- 3. At the top of a stair flight, handrail shall extend horizontally above the landing for a minimum of 12" beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair
- 4. At the bottom of a stair flight, handrail shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the hand rail of an adjacent stair flight.
- 5. Handrail griping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of the handrail gripping surfaces shall not be obstructed for more than 20% of their length.
- 6. Handrail gripping surfaces with a circular cross section shall have an outside diameter of not less than 1 1/4" and not more than 2". Handrail gripping surfaces with a non-circular cross section shall have a perimeter of not less than 4" or more than 6 1/4". The longest cross sectional dimension shall be not exceed 2 1/4"
- 7. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed from more than 20 percent of their length.
- 8. Refer to U.S. Department of Justice "2010 ADA Standards for Accessible Design" for additional information and or requirements.

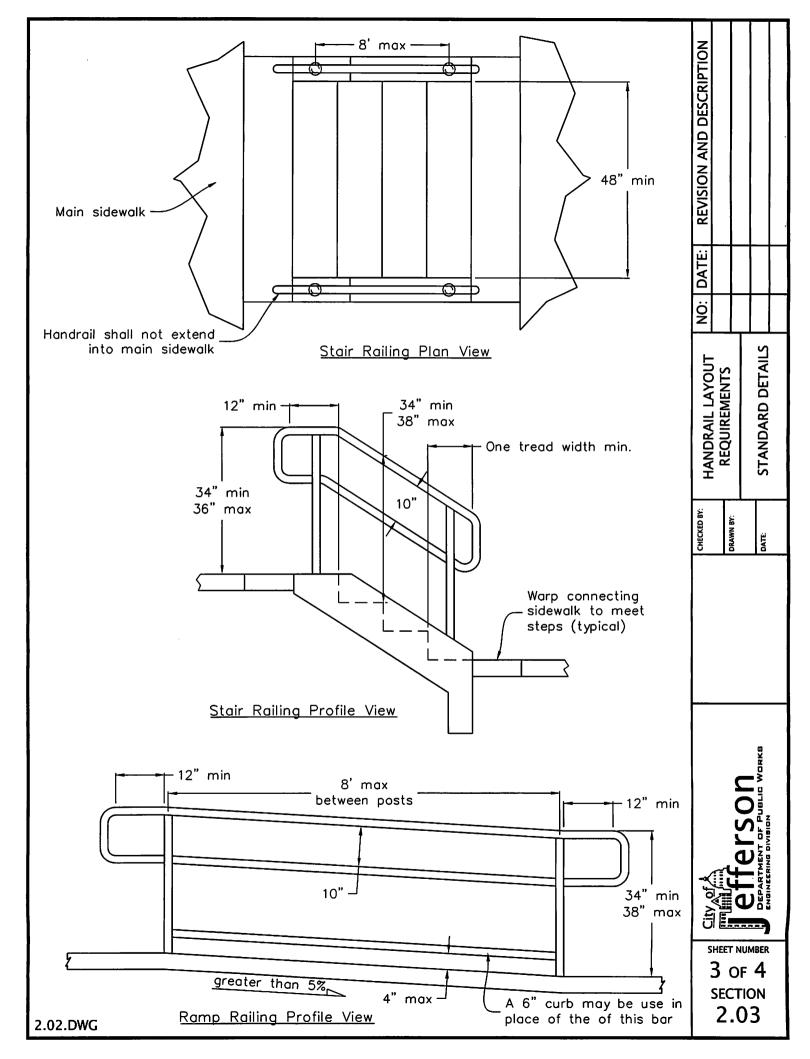
MATERIAL / FINISHES / INSTALLATION:

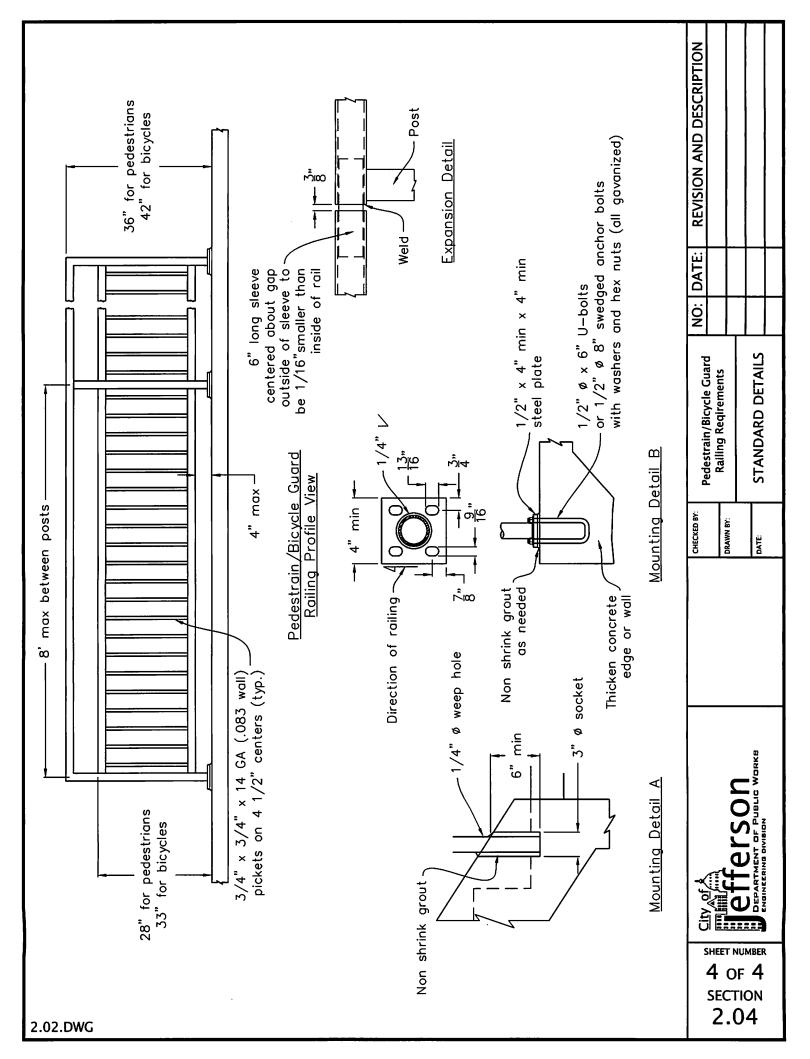
- The material and finish requirements contained in this section are not not meant to prohibit the use of manufactured railings which meet the requirements of ADA.
- 3. All fabricated railings shall be either 1 1/2" ø schedule 40 steel tubing $(1.90 \text{ OD } \times .145 \text{ wall})$, or 1 1/2" x 1 1/2" x 11 GA. (.120 wall) steel tubing. Pedestrain/Bicyle Guard Railing may exceed these dimensions.
- 4. All welds shall be continuous and shall be ground smooth. The railing shall be free of slag, burrs, or other defects.
- 5. Expansion joints shall be placed in railings after every third post. The joints shall be constructed as shown in the Expansion Detail. Additional expansion joints and or specifically designed mounting bracket/elements may be necessary if the railing is installed on a
- 6. All posts shall have a 1/4" weep hole immediately above the concrete surface.
- 7. All fabricated railings shall have a hot dipped galvanized finish or shall be powder coated. If powder coated, the color shall be black unless otherwise approved by the engineer.
- 8. When installed the posts of all railings shall be plumb.9. The railings may be bolted to the concrete surface or may be mounted with grout in sockets formed or drilled in the concrete. Refer to the mounting details for additional information.

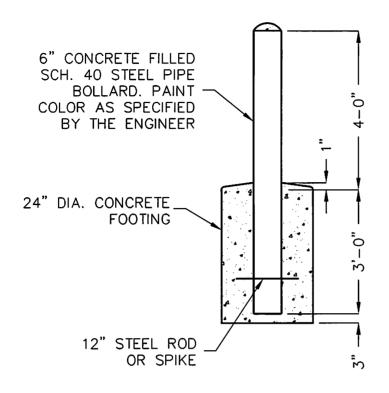
			STANDARD DETAILS	DATE
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			REQUIREMENTS	
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SHEET NUMBER 2 of 4 **SECTION** 2.02





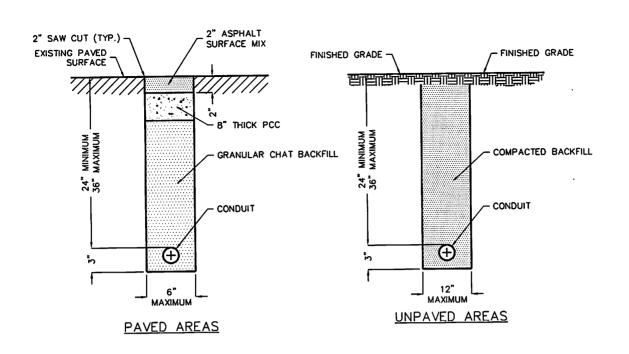


PIPE BOLLARD

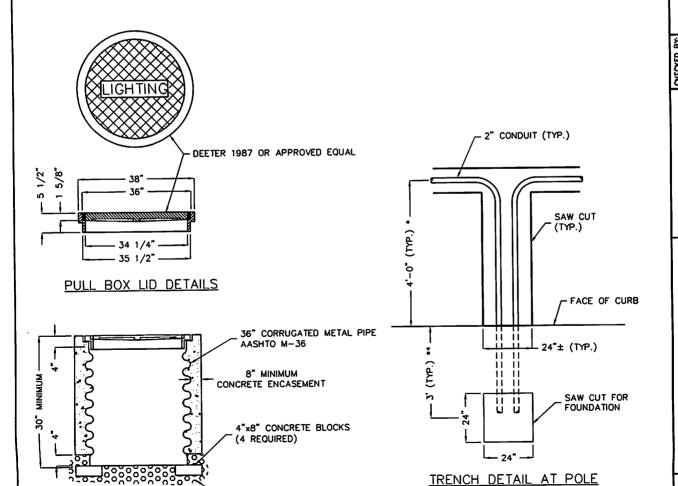


1 or 1

1 OF 1 SECTION 3.01



TRENCHING DETAILS



8" THICK LAYER OF

PULL BOX DETAILS

4.01.DWG

AGGREGATE MATERIAL

CITY OF THE CITY O

1 of 1

SECTION

4.01

REVISION AND DESCRIPTION CHANGED TRENCH TO GRANULAR CHAT BACKFILL

DATE: 12/2006

TRENCHING DETAILS

STANDARD DETAILS

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 OFFSET SHALL BE ADJUSTED TO AVOID UTILITIES AND AS APPROVED BY THE ENGINEER

TOP VIEW

.. EXCEPT AS NOTED ON THE PLANS